

Tricia L. Holman

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Education

Western Oregon University

Applied Baccalaureate,
Computer Science
Cum Laude

2017 ↔ 2020 GPA==3.59

2018\19: *Edward B. Wright
Computer Science Scholarship*

Chemeketa Community College

Associate of Science,
Computer Systems &
Information Technology
Magna Cum Laude

2015 ↔ 2017 GPA==3.87

Languages + Frameworks:

- C# + LINQ + Razor
- ASP.NET \ MVC5
 - Entity \ Identity
- Frameworks
- HTML5 + CSS3 + the DOM
- Bootstrap
- JavaScript / jQuery
- AJAX + RESTful API's
- PHP
- Java
- Python + pipenv
- Flask
- Visual Basic
- XML + JSON & YAML
- Markdown

WOU Senior Project

Software Engineering I + II + III

Senior Sequence \ Team Nerdvana \ Capstone Project

Petopia: <http://petopia.azurewebsites.net/>

A Pet Care web application for Pet Owners to find Pet Care Providers, and for people to earn income by registering as a Pet Care Provider.

Features: User registration & login ... role selection ... profile creation for Pet Owners, Pets, & Care Providers (including photos) ... Pet Care Appointment transaction system (book\request, confirm\decline, reschedule, cancel) with email confirmations and on-site notifications for both parties ... Pet Owner↔Care Provider rate & comment ... Pet Badges ... proximity finder ... payment processing API... security checks so only the right people can access certain pages... input validations.

Developed algorithm combining proximity + rating + badges to calculate a user score and then recommend Pet Care Providers to Pet Owners.

Followed Disciplined Agile Delivery practices for Inception and Construction ... developed User Stories & tasks ... employed Pivotal Tracker to plan\track sprints ... used Git(Hub) for version control & team collaboration.

Other projects from college career:

Database Management

Term project: designed & developed relational database for fictional "Happy Tails Dog Walkers", using MS Access with DDL/SQL... consisted of multiple tables, forms, queries, and reports – plus a user interface and all documentation, user guide, and ERDs. (*project=100% – class=98.7%*)

Systems Analysis

Term project: developed & documented plans, business rules, user stories, and diagrams\modeling to build Happy Tails into a web app... designed to augment & complement existing database to evolve Happy Tails into a responsive, functional, intuitive, user-friendly web presence. (*project=100% – class=99%*)

Web Application Development

Term project: re-worked a (purposely) poorly designed\developed web app into a responsive, functional, attractive design... including database interaction with user registration\log-in and site security using SQL & PHP. (*project=100% – class=96.7%*)

Computer Science II ~ Java

Final project: designed/coded a mini "shopping" app demonstrating GUI, file read/write, inheritance & polymorphism, try/catch blocks & exception handling. Participated in paired programming throughout term. First experience with Java (skipped CS I). (*project=100% – class=97.6%*)

- Haskell
- Database:
 - SQL\T-SQL + DDL
 - MySQL
 - mongoDB \ Firebase
 - Oracle APEX

Other CS Tools + Experience:

- Git \ GitHub + bash
- MS-SQL Server
- pytest + coverage
- Redis + Celery
- nginx \ load balancing
- connexion + swagger
- Azure web apps + DB
- VirtualBox
- AWS VM
- PuTTY \ SSH
- Linux from CLI
- Postman \ cURL
- LINQ-Pad
- Pivotal Tracker
- Agile methodology

Volunteering:

- American Cancer Society
 - ⇒ Driver for Road to Recovery program – taking patients to/from appointments\ treatment
- Marion-Polk Foodshare
 - ⇒ Meals-On-Wheels Driver

Information Management

Final [team] project: collaboratively designed & developed relational database for a fictional wine collector from ground up; using Oracle APEX and writing DDL/SQL... comprising multiple tables, forms, queries, and reports – plus user interface; drafted all documentation, modeling\ERDs, and user guide. (*project=100% – class=97%*)

Microservices Architecture

Term project: extracted activity logging as a microservice from a monolithic web app “Wolfit” (*developed just for our class*)... self-taught python on the fly... project included pytest+coverage, mongoDB (*cloud noSQL*), writing & calling RESTful APIs (*server & client-side*), load balancing with nginx, handling asynchronous calls with redis+celery, using connexion+swagger for API management... on AWS VM + Linux via Chromebook!
(*project graded incrementally – class=92%*)

Own/Operate Business

Stormcloud Enterprises ~ Independent Contractor Mystery Shopping/Auditing ~ 10/2010 to 09/2015

- Completed 1600+ undercover and revealed audits at/for dozens of businesses in Northwest Oregon
- Memorized, and convincingly carried out, a variety of complex scenarios to accurately fulfill shop/audit requirements
- Through objective observation and interactions, evaluated and documented details of customer service, facilities, inventory, presentation, and promotional materials while remaining unnoticed.
- Produced professional, comprehensive reports per client specifications; prepared required documentation and evidence (including photos), in 12 to 24 hour turnaround timeframe.
- Set and managed work schedule; developed spreadsheet to track audits, clients, locations, dates/times, hours, mileage/drive-time, supplies, payments/reimbursements pending and received, tax data.
- My work consistently scored 9 to 10 out of 10 thus attaining preferred status for preferred assignments.

Receptionist / Phone Operator Business Connections Answering Service Summer Job ~ April to September 2018

- While I took Discrete Math in a summer intensive at WOU!
- Answered 150(+/-) calls per 6-hour shift on weekdays... lower call volume Sundays but increased caller interaction\service
- Handled calls for healthcare; veterinarians; lawyers; residential & commercial services; non-emergency police calls; county\city public service lines, various professional services.